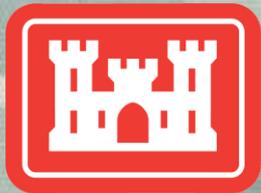


Benefit to Cost Ratios for Ongoing Inland Waterways Trust Fund Projects

For Inland Waterways Users Board

Jeffrey A. McKee
Chief, Navigation Branch
US Army Corps of Engineers

July 1, 2016



®

US Army Corps of Engineers
BUILDING STRONG®



IWTF Project Costs and Benefit to Cost Ratios

■ Olmsted Locks & Dam

<u>Authorized Total Project Cost</u>	\$775,000,000
<u>Authorized Fully Funded Project Cost</u>	\$1,590,000,000
<u>Authorized Benefits - Net Annual</u>	\$481,466,826
<u>Authorized BCR @ 7%</u>	5.4
<u>Date of Authorization</u>	17-Nov-88
<u>Current Total Project Cost</u>	\$2,975,576,000
<u>Current Fully Funded Project Cost</u>	\$3,059,266,000
<u>Current Benefits - Net Annual</u>	\$588,297,000
<u>Current BCR @ 7%</u>	3.4
<u>Current RBRCR @ 7%</u>	16.3
<u>Date of Latest Cost Estimate</u>	Apr-16



IWTF Project Costs and Benefit to Cost Ratios

▪ Locks & Dams 2, 3 & 4, Mon River, PA

<u>Authorized Total Project Cost</u>	\$556,400,000
<u>Authorized Fully Funded Project Cost</u>	\$750,000,000
<u>Authorized Benefits - Net Annual</u>	\$29,700,000
<u>Authorized BCR @ 7%</u>	6.7
<u>Date of Authorization</u>	31-Oct-92
<u>Current Total Project Cost</u>	\$2,733,000,000
<u>Current Fully Funded Project Cost</u>	\$2,733,000,000
<u>Current Benefits - Net Annual</u>	\$220,032,000
<u>Current BCR @ 7%</u>	1.4
<u>Current RBRCR @ 7%</u>	2.2
<u>Date of Latest Cost Estimate</u>	Oct-14



IWTF Project Costs and Benefit to Cost Ratios

■ Kentucky L&D

<u>Authorized Total Project Cost</u>	\$393,200,000
<u>Authorized Fully Funded Project Cost</u>	\$811,578,000
<u>Authorized Benefits - Net Annual</u>	\$21,900,000
<u>Authorized BCR @ 7%</u>	1.7
<u>Date of Authorization</u>	Oct-91
<u>Current Total Project Cost</u>	\$838,700,000
<u>Current Fully Funded Project Cost</u>	\$874,222,000
<u>Current Benefits - Net Annual</u>	\$48,100,000
<u>Current BCR @ 7%</u>	1.7
<u>Current RBRCR @ 7%</u>	3.9
<u>Date of Latest Cost Estimate</u>	Oct-16



IWTF Project Costs and Benefit to Cost Ratios

■ Chickamauga L&D

<u>Authorized Total Project Cost</u>	\$267,166,000
<u>Authorized Fully Funded Project Cost</u>	\$475,854,000
<u>Authorized Benefits - Net Annual</u>	\$2,800,000
<u>Authorized BCR @ 7%</u>	2.2
<u>Date of Authorization</u>	Feb-03
<u>Current Total Project Cost</u>	\$703,473,000
<u>Current Fully Funded Project Cost</u>	\$754,678,000
<u>Current Benefits - Net Annual</u>	\$55,200,000
<u>Current BCR @ 7%</u>	1.8
<u>Current RBRCR @ 7%</u>	2.8
<u>Date of Latest Cost Estimate</u>	Jun-16



QUESTIONS?

Jeffrey.a.mckee@usace.army.mil

202-761-8648



BUILDING STRONG®